



# Parainfluenza virus 5

VR-288™

## Description

Parainfluenza virus 5 strain 21005-2WR is propagated in LLC-MK2 Derivative cells (ATCC CCL-7.1). This strain was isolated in 1954 from rhesus monkey kidney cell culture. It has applications in respiratory and infectious disease research.

**Strain designation:** 21005-2WR

**Common name:** Simian virus 5

**Deposited As:** Simian virus 5

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## Storage Conditions

**Product format:** Frozen

**Storage conditions:** -70°C or colder

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## Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

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## BSL 2

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

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## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## Growth Conditions

**Host:** LLC-MK2 Derivative (ATCC CCL-7.1)

**Effects:** cell sloughing; CPE; syncytia

**Complete medium:**

EMEM (ATCC 30-2003) + 2% FBS (ATCC 30-2020)

**Temperature:** 36°C

**Atmosphere:** 95% Air, 5% CO<sub>2</sub>

**Recommendations for infection:** For best results cells should be 24 to 48 hours old and 70% - 80% confluent (not 100% confluent)

**Incubation:** 3 to 8 days, a 5% CO<sub>2</sub> in air atmosphere is recommended

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## Handling Procedures

**Mycoplasma contamination:** Not detected

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## Notes

Strain has many attributes in common with parainfluenza strains, but is antigenically distinct from parainfluenza types 1 and 3. Some antisera for parainfluenza type 2 virus may partially neutralize SV-5. It is partially neutralized by SV-5A antiserum. Frequently higher virus titers are detected by hemadsorption than by CPE. Same strain as ATCC VR-289, which is egg-adapted. Contains a CF antigen in common with mumps virus. Simian Virus Group V (Hull).

**Key Abbreviations:** °C, Degrees Celsius; CO<sub>2</sub>, Carbon dioxide; CF, Complement fixation; CPE, Cytopathic effect; EMEM, Eagle's Minimum Essential Medium; FBS, Fetal bovine serum; LLC-MK2, Rhesus monkey kidney cells

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Parainfluenza virus 5 (ATCC VR-288)

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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